

# TOPCOM

Mira 200

CORDLESS TELEPHONE  
WITH BUILT-IN DIGITAL ANSWERING MACHINE

## Operating Guide



Dear Customer,

Congratulations on having bought the TOPCOM Mira 200 cordless telephone.

The Mira 200 is a quality product which offers you a whole range of possibilities and is easy to operate.

This operating guide gives you a complete view of all the possible functions.

We advise you to first read this operating guide thoroughly before using your Mira 200.

Kind regards,

TOPCOM



Dit TOPCOM product voldoet aan de laagspanningsrichtlijn 73/23/EEC en aan de elektromagnetische compatibiliteitsrichtlijn EMC 89/336/EEC.

This TOPCOM product meets the low voltage directive 73/23/EEC and the electromagnetic compatibility EMC directive 89/336/EEC.

Ce produit TOPCOM est conforme aux normes de basse tension 73/23/EEC et est compatible avec les normes de compatibilité électromagnétique EMC 89/336/EEC.

Dieses TOPCOM-Produkt entspricht der Niederspannungsrichtlinie 73/23/EEC und der EMV (elektromagnetische Verträglichkeit) Richtlinie 89/336/EEC.

Die in deze handleiding beschreven mogelijkheden worden gepubliceerd onder voorbehoud van wijzigingen.

Les possibilités décrites dans ce manuel sont publiées sous réserve de modifications.

The features described in this manual are published with reservation to modifications.

Die in dieser Bedienungsanleitung ungedruckten Möglichkeiten, werden vorbehaltlich Änderungen publiziert.

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### 1. IMPORT ANT

Treat the telephone with care. Never place it in a dusty environment and do not expose it to extreme temperatures or direct sunlight.

Use a soft damp cloth to clean the telephone. Never use abrasive or corrosive cleaning products. Never use solvents.

If you do not use the telephone for a long period of time, place the ON/OFF-switch of the handset in the OFF-position.










### 2. BASE EQUIPMENT

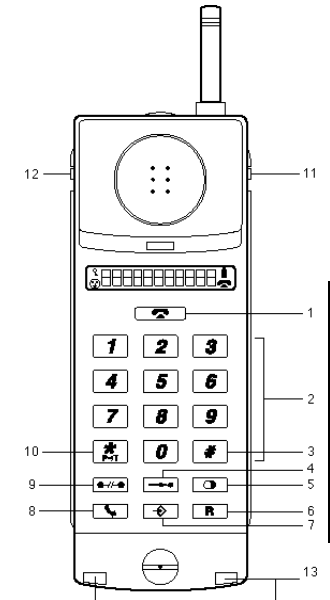
The base equipment consists of the following things:

- Base station
- Handset
- Adaptor Ac 9V/0.7 A
- 9V battery
- Telephone plug
- Operating Guide
- Warranty card

### 3. HANDSET

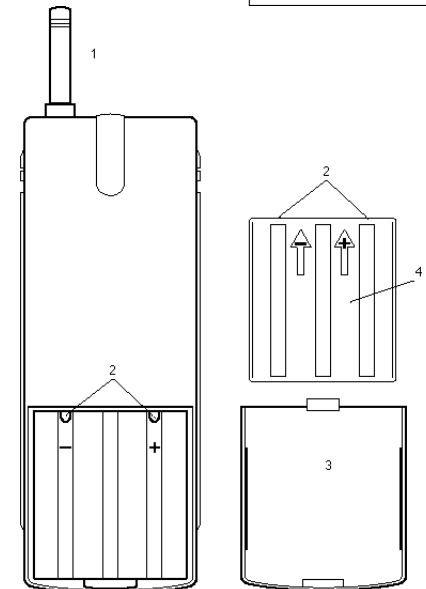
#### 3.1. FRONT VIEW

1. Line button 
2. Numerical buttons
3. # button
4. Memory button 
5. Redial button 
6. Transfer button (flash) R 
7. Set button 
8. Mute button 
9. Hang-up button 
10.  button/ P->T switch
11. Ringer volume switch 
12. ON/OFF-switch
13. Battery charger contacts



#### 3.2. REAR VIEW

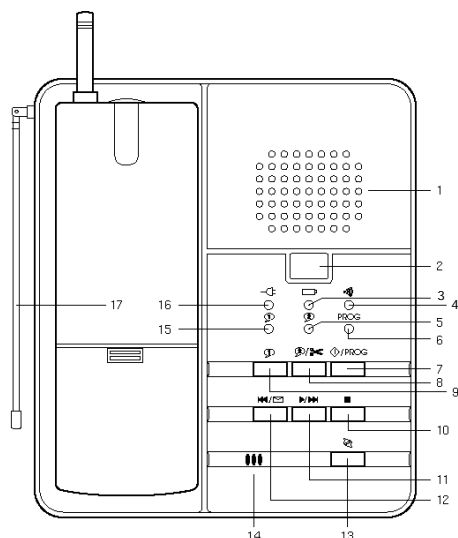
1. Antenna
2. Battery contact points
3. Cover of battery compartment
4. Battery



### 4. BASE STATION

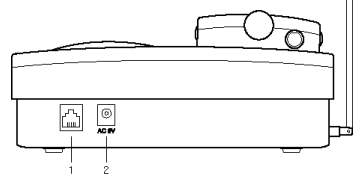
#### 4.1. TOP VIEW

1. Speaker
2. Display
3. Battery indicator
4. Radio connection indicator
5. Indicator OGM 2
6. Program indicator
7. Program button; on/off
8. Recording button OGM 2/ERASE
9. Recording button OGM 1
10. STOP button
11. Playback/Fast forward button
12. Rewind/Memo button
13. Paging button
14. Microphone
15. Indicator OGM 1
16. Power indicator
17. Antenna



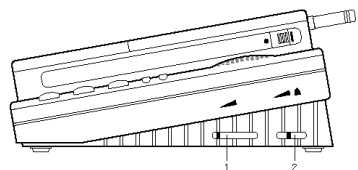
#### 4.2. REAR VIEW

1. Connection telephone line
2. Connection adaptor



#### 4.3. SIDE VIEW

1. Volume switch
2. Ringer volume switch



### 5. GENERAL

With cordless telephones, radio connection replaces the cord connecting the handset to the base unit of traditional telephones. This allows you to make and receive calls even when you are away from the base unit. Thanks to this radio connection, your mobility increases.

The Mira 200 has a working range of 300 m (range is reduced to 60 m inside buildings). This working range is however strongly reduced if there are several obstacles between the base and the handset. If you have gone too far away from the base, you will hear a warning signal.

### 6. INST ALLA TION

1. Connect the telephone cord to the left socket on the rear of the base (rear of base facing you) and plug the other end into the telephone line wall socket.
2. Connect the power cable plug to the power socket with indication "AC9V" on the right side of the rear of the base (rear of base facing you) and plug the adaptor into a power socket.
3. To avoid messages from being erased during a power failure, put the 9V back-up battery in the compartment on the bottom of the base station. If this battery is not placed, 'LO' (low) appears on the display.
4. Adjust the antenna located on the left side of the base to a straight upward position.

Remove the transparent plastic protection of the telephone number card on the base station by pushing it to the left. Write down your own telephone number on this card and put the plastic protection back.

## 7. BATTERY

Open the cover of the battery compartment on the backside of the handset. Now place the battery in the handset and put the ON/OFF-switch in the ON-position ("I").

The battery of the handset has to be charged before telephone calls can be made. The first time the unit is used, it takes at least 10 hours before the battery is fully charged.

Put the handset on the connected base station to charge the battery. The battery indicator lights to indicate that the battery is being charged. After approximately 10 hours the battery is fully charged. Do not put the handset back in the base station, every time the phone has been used! Put the handset only in its base when it is indicated that the battery is almost empty. It is better for the battery to be sufficiently discharged before being recharged.

### Remark:

The battery indicator will light when the handset has been put on the base station for charging. It will not turn off when the battery is fully charged.

When you hear an intermittent tone from the handset or when the low battery indicator on the LCD display of the handset is blinking, the handset has to be charged again.

A fully charged battery allows a conversation of 5 hours. In standby mode the battery has to be recharged after approximately 30 hours.

### Remarks:

- The charger contacts of the handset should not come into contact with metal since this could cause a short-circuit and damage the battery irreparably.
- The charger contacts of the battery on the base station and on the handset should be cleaned with a soft cloth once a month.
- If you do not use your unit for a longer period of time, remove the battery from the handset or put the ON/OFF-switch of the handset in the OFF-position. In this case, do not put the handset in charging position on the base station. It is better for your batteries not to do so.

- If the battery in the handset has not been charged for a long period of time, charge it during an entire night.
- Do not throw faulty batteries just anywhere, they are small chemical waste and have to be treated as such.

## 8. OPERATION

### 8.1. OUT OF RANGE WARNING

Obstacles between the handset and the base station will influence the operation range. When the handset is too far away from the base station, the quality of the connection will deteriorate and you will hear a warning tone (2 signals). The communication will be broken automatically if you do not go back into the operation range within 10 seconds.



If a connection between the handset and the base station is not possible, you will hear an intermittent warning tone.



### 8.2. TONE AND PULSE DIALLING

Standard the Mira 200 has been set to pulse dialling. It is possible that the dialling system has to be changed to tone dialling (DTMF) before a call can be made. Your telephone has to be set to the dialling system, which is offered on your telephone line.




- Pulse dialling : if you are connected to an older (mechanic) telephone exchange.
- Tone dialling : if you are connected to a modern electronic (DTMF) telephone exchange.

#### 8.2.1. TEMPORARY PULSE -> TONE (DTMF) SWITCH



1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display).



3. Press the numbers "28" and the  button.
4. Press the line button .

## 8.2.2. BACK TO PULSE DIALLING



1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display).
3. Press the numbers "28" and the # button.
4. Press the line button .

## 8.3. MAKING A TELEPHONE CALL

Make sure the correct dialling system has been set (pulse or tone dialling) by making an outgoing call. Press the line button  and wait for the dial tone. The radio connection indicator  on the base station lights when the radio connection has been established. Now dial the desired telephone number.



Press the line button  after ending the telephone conversation, the Mira 200 returns to standby and "ON" appears on the display. In case you want to make another phone call, press the hang-up button  instead of the line button and dial the desired telephone number.

## 8.4. RECEIVING A TELEPHONE CALL




When you are being called, first the base station will ring and after a short period of time also the handset. Press the line button . When you hear a beep, you can start the conversation. Press the line button  again to end the conversation.

## 8.5. MUTE FUNCTION



If you wish to talk to a third person without your correspondent hearing this conversation, you can temporarily turn off the microphone. Simply press the mute



button . The display will start blinking. When you want to continue the telephone conversation, press the mute button  again.

## 8.6. HANG-UP BUTTON

When you have made a mistake while dialling a telephone number, you can press the hang-up button  and dial the number again. By pressing the hang-up button  it is also possible to make several phone calls after each other without disconnecting the radiolink. After pressing the hang-up button  "BREAK" appears on the display.

## 8.7. REDIAL

When you have dialled a telephone number but did not receive an answer, you can call this number again afterwards. The last number dialed is saved. When you wish to dial the number again, first press the line button  (the last number dialed appears on the display) and then, after hearing the dial tone, press the redial button . The number is now automatically redialed.

If you wish to redial the number immediately without breaking the connection with the base station, first press the hang-up  button and then the redial button .

## 8.8. TRANSMISSION (FLASH) R


With the flash button R - also called flash, recall or R button - you can transfer a line to another telephone on your telephone exchange. The R button has a flash function, this means that a short line interruption is being generated.



Consult the operating guide of your telephone exchange for a correct use of this function.

This button is sometimes also used for services offered on your public telephone line.


## 8.9. TEMPORARY PULSE -> TONE SWITCH

The Mira 200 has been preset to pulse dialling. It is however possible to switch temporarily to tone dialling f.i. for telebanking, pager calls, ...






You can use this function by pressing the  button immediately after having dialed the desired telephone number. Now you can enter the desired numbers in tone dialling mode.


After pressing the line button  or the hang-up button  your Mira 200 automatically returns to pulse dialling.

## 8.10. DIALLING MEMORY NUMBERS



The Mira 200 disposes of 10 memory numbers (speed dial numbers). Each memory place can store a telephone number of maximum 16 digits. You can call a memory number by pressing the memory button  followed by the number of the memory place where the desired telephone number has been stored (0-9).

### 8.10.1. STORING MEMORY NUMBERS




1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display).
3. Press the memory button  ("PHONE NO-" appears on the display).
4. Choose a memory place by pressing a numerical button (0-9).
5. Enter the telephone number that you wish to store.
6. Press the set button  ("DONE" appears on the display).
7. Press the line button  to stop the radio connection.


You can also program a flash or pause in the memory numbers. During the programming of the memory numbers press the R-button for a line interruption or the redial button  for a pause. In order to set the pause time, see 8.13. Setting pause time.

### 8.10.2. DIALLING A MEMORY NUMBER






1. Press the line button  and wait for the dial tone.
2. Press the memory button  ("SPEED DIAL" appears on the display).
3. Press the number of the memory place, where the telephone number has been stored (0-9). The telephone number is now automatically dialled.

### 8.10.3. SEARCHING A MEMORY NUMBER

1. Press the line button  and wait for the dial tone.
2. Press the memory button  ("SPEED DIAL" appears on the display).
3. Press the  button to see the following number or the # button to see the previous number.

You can dial a memory number while going through the memory numbers by pressing the redial button  when the desired number appears on the display.

### 8.10.4. ERASING A MEMORY NUMBER






1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display).
3. Press the memory button  ("PHONE NO-" appears on the display).
4. Press the number of the memory place (0-9) of the memory number you wish to erase.
5. Press the set button  ("DONE" appears on the display).
6. Press the line button  to stop the radio connection.


## 8.11. CALL BARRING

The numerical buttons of the Mira 200 can be locked electronically so that outgoing calls are not possible any more.



## 8.11.1. ACTIVATE CALL BARRING





1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display).
3. First press the number "3" and then the  button (first "LOCKED" appears on the display and then, until the electronic lock is deactivated, "" is present on the display).
4. Press the line button  to stop the radio connection.

If you now first press the line button  and then any other button, you will hear a long warning tone to indicate that the electronic lock of the numerical buttons is activated.

### *Remark:*

If the Mira 200 is connected to a house telephone exchange, incoming lines can still be put through, even when the electronic lock is activated.





## 8.11.2. DEACTIVATE CALL BARRING

1. First press the line button  and wait for the dial tone ("LOCKED " appears on the display).
2. Press the set button .
3. Press the number "3" and then the # button ("" disappears and now "UNLOCK" appears on the display).
4. Press the line button .





## 8.12. BABYCALL (EMERGENCY CALL)



Thanks to the babycall function you can program the Mira 200 so that a preprogrammed telephone number is dialled when pressing any button.

## 8.12.1. ENTERING A BABYCALL NUMBER

1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display).
3. Enter the code number 3719 ("SET BABYCALL" appears on the display).
4. Enter the desired telephone number.
5. Press the set button  ("DONE" appears on the display).
6. Press the line button  to stop the radio connection.

## 8.12.2. ACTIVATE BABYCALL



1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display).
3. First press the number "1" and then the  button ("" appears on the display together with the programmed babycall number. The babycall function is now activated and the handset is in standby mode).

The automatic dialling is done when you first press the line button  and then any button (except the set button ). You hear 2 short warning beeps to indicate that the programmed babycall number is dialled automatically.

### *Important:*

This function can only be activated if a babycall number has been programmed.




## 8.12.3. DEACTIVATE BABYCALL


1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display). The babycall number is not dialled.
3. Press the number "1" and then the # button ("BABY OFF" appears short on the display and then the handset is in standby mode).

### 8.13. SETTING PAUSE TIME

If your Mira 200 is connected to a house telephone exchange, we advise you to program a pause in the memory numbers after asking access to the external line (see 8.10.1. Storing memory numbers).



Standard the pause time is set to 3 seconds, but this can be changed in the following way:

1. Press the line button  and wait for the dial tone.
2. Press the set button  ("SET" appears on the display).
3. Enter the code number:
  - codenumber 461 = 1 second pause
  - codenumber 462 = 2 seconds pause
  - codenumber 463 = 3 seconds pause (standard)
  - codenumber 464 = 4 seconds pause
4. Press the line button  to stop the radio connection.




If you wish to enter a pause when storing a memory number, press the redial button . The pause will last as long as you have programmed it.

### 8.14. PAGING

With this function you can call the handset from the base station and vice versa.

Press the paging button  of the base station. When the radio connection is established, the handset will emit a ringer sound and "PAGE" appears on the display. Press the line button  to interrupt the ringer sound. If you press the line button again, the radio connection is broken.

You can also call the base station from the handset. Proceed as follows:

1. Press the line button  and wait for the radio connection to be established (dial tone).
2. Press the set button  ("SET" appears on the display).
3. Press the number "5". The base station will ring.
4. Press the line button .

*Remark:*

This function does not allow you to have a conversation between the base station and the handset. Only the ringer sound can be activated.

### 8.15. RINGER VOLUME CONTROL

The ringer volume of the handset and the base station can be set by means of a ringer volume switch. On the right side of the base station you will see a switch with 3 positions. On the handset a switch with 2 positions is present on the right side (front of handset facing you).


## 9. OPERATION DIGITAL ANSWERING MACHINE


The built-in digital answering machine in the Mira 200 is a very sophisticated device which offers you a whole range of possibilities. Please read through this operating guide carefully in order to be able to use the device without any problem.


### 9.1. SOME TERMS

- |                              |   |  |
|------------------------------|---|--|
| OGM<br>(outgoing message)    | = | This text, which you have recorded, is announced to the caller during your absence.  |
| MEMO<br>(memorandum message) | = | Instead of leaving written memo messages for the members of your household, you can record memo messages on your Mira 200.                     |
| An-mode                      | = | After the playback of outgoing message 1, the caller has the possibility to leave a message.   |
| nA-mode                      | = | After the playback of outgoing message 2, the connection is broken automatically. The caller does not have the possibility to leave a message. |

## 9.2. RECORDING OUTGOING MESSAGE 1 & 2



OUTGOING MESSAGE 1  = this outgoing message is used when the Mira 200 is set to An-mode (answering and recording)


OUTGOING MESSAGE 2  = this outgoing message is used when the Mira 200 is set to nA-mode (only answering, no recording)


1. Press and hold the OGM 1  button till you hear a beep. Dictate your outgoing message at 20 cm distance from the microphone on the base station. The display shows the recording time.


Example of OGM 1:

" Hello, Rob and Mary are unable to answer the telephone at this time. After the beep, please leave your name, telephone number and a short message. We will return your call as soon as possible."

2. To stop the recording of the outgoing message, press the STOP  button. The maximum recording time of the outgoing message is 25 sec., when this time is reached, the recording will stop automatically without pressing the STOP  button.

After ending the recording, the outgoing message is played automatically. In order to end the playback faster, press the STOP  button.

3. In order to playback the outgoing message again, press and release the OGM 1  button, 'An' now appears on the display.


For the recording of outgoing message 2, you can proceed in the same way as described above. You do need to use the OGM 2  button, on the display now 'nA' appears instead of 'An'.

Example of outgoing message 2:

"Our offices are closed at this moment, please contact us again between 9.00 and 16.00 h."

## 9.3. SWITCHING THE ANSWERING MACHINE ON/OFF

The Mira 200 can automatically answer your calls and record messages during your absence.

When you press and release the /PROG button, you can switch your Mira 200 from: An-mode -> nA-mode -> oF (switching off)

In An- or nA-mode the corresponding LED on the base station will light. When the answering machine is turned off, either of both LEDs will light.

*Note:*

It is not possible to activate the An- or nA-mode when the corresponding outgoing message has not been recorded.

### 9.3.1. ANSWERING AND RECORDING CALLS (AN-MODE)

Switch the answering machine to An-mode. Your Mira 200 will now automatically answer the incoming calls (outgoing message 1) and record possible messages.

The messages that are being recorded can also be heard through the speaker on the base station. When you are at home and you wish to answer the call, press the line button of the handset of the Mira 200. The recording of the message is now stopped automatically.



### 9.3.2. ONLY ANSWERING CALLS (NA-MODE)

Switch the answering machine to nA-mode. Your Mira 200 will now only answer the incoming calls (outgoing message 2). The caller does not have the possibility to leave a message.

## 9.4. PROGRAMMING MODE

The following settings can be changed in the programming mode.




- \* Number of rings before automatic answering
- \* Recording time per message
- \* Remote control code
- \* Speech quality

In order to bring the device in programming mode, press and hold the /PROG button until you hear a beep. The PROG-LED on the base station will light and on the display the previously entered number of rings appear. Each time you want to go to a following setting, press and release the /PROG button, the previously entered coordinates appear on the display.

To stop the programming, press the STOP  button. The PROG-LED turns off.




## 9.5. SETTING THE NUMBER OF RINGS

You can determine yourself after how many rings your Mira 200 will answer the incoming calls. Standard this has been set to 2 rings (r2). In order to change this setting, proceed as follows:

1. Bring the Mira 200 in programming mode so that the previously entered number of rings appear on the display.
2. To change the number of rings, press the playback/fast forward  button. On the display the possible choices appear (r1-r5, ts):  
r1= 1 ring, r2= 2 rings, r3= 3 rings, r4= 4 rings, r5= 5 rings, ts= toll saver (the call is answered after 2 rings when messages have been recorded and after 4 rings when no messages have been recorded, see 10. Remote control).
3. Press the STOP  button to end the programming or the /PROG button to pass to the following setting.






## 9.6. RECORDING TIME PER MESSAGE





The maximum recording time has been preset to 2 minutes (d2). In order to change this setting, proceed as follows:

1. Bring the device in programming mode so that the previously programmed recording time appears on the display.
2. In order to change the recording time, press the playback/fast forward  button. On the display the possible choices appear (d0-d2,d-):  
d0= 30 seconds, d1= 1 minute, d2= 2 minutes, d-= no limit.
3. Press the STOP  button to end the programming or the /PROG button to pass to the following setting.

## 9.7. REMOTE CONTROL CODE

The code number for the remote control consists out of 3 numbers and is preset to "123". In order to change this code, proceed as follows:




1. Bring the device in programming mode so that "Cd" appears on the display.
2. In order to change the first number, press the rewind  button. The previously entered number appears on the display. The indication "-" shows that it concerns the first number.
3. Press the playback/fast forward  button to change the number (0-9).
4. In order to change the second number, press the rewind  button. The previously entered number appears on the display. The indication "=" shows that it concerns the second number.
5. Press the playback/fast forward  button to change the number (0-9).
6. In order to change the third number, press the rewind  button. The previously entered number appears on the display. The indication "==" shows that it concerns the third number.

7. Press the playback/fast forward  button to change the number (0-9).
8. After setting the remote control code, press the rewind  button again. "Cd" appears on the display again.
9. Press the STOP  button to end the programming or the /PROG button to pass to the following setting.

## 9.8. SPEECH QUALITY

You can program the Mira 200 so that an even better speech quality of the recorded messages is obtained.




Proceed as follows:

1. Bring the Mira 200 in programming mode until "48" or "72" appears on the display, depending on the last setting.
2. Press the playback/fast forward  button to switch to "48" or "72".  
  
"48": for a sampling rate of 4.8 kbps which gives a total recording time of 14 minutes.  
"72": for a sampling rate of 7.2 kbps which gives a total recording time of 9 minutes but with an even better sound quality.
3. Press the STOP  button to end the programming or the /PROG button to pass to the following setting.

## 9.9. MEMO MESSAGES

Instead of leaving written memo messages for the members of your household, you can dictate memo messages on your Mira 200.




To record a message proceed as follows:

1. Press and release the MEMO  button. After the beep you can dictate your memo message in the microphone of the base station.
2. The recording stops automatically when the maximum programmed recording time (see 9.6.) is reached. To end the recording earlier, press the STOP  button.
3. Your Mira 200 automatically repeats the recorded memo message. Press the STOP  button to stop the automatic playback.

## 9.10. RECORDING A TELEPHONE CONVERSATION

When you are having a telephone conversation with the handset of the Mira 200, this conversation can be recorded.


Proceed as follows:

1. Press and release the MEMO  button and the recording starts immediately. The recording time appears on the display.
2. Press the STOP  button or hang up  to stop the recording.

## 9.11. PLAYBACK OF THE RECORDED MESSAGES

The Mira 200 offers you two possibilities for the playback of the recorded messages: either you can just playback the new messages or all the messages. The speaker volume can be adjusted with the volume switch on the base station.

### 9.11.1. ONLY THE NEW MESSAGES

The display on the base station blinks to indicate the number of new messages. Press and release the playback  button to listen to the messages. Your Mira 200 plays back all the new messages from the first one on.

### 9.11.2. ALL THE MESSAGES

To listen to all the messages, press and hold the playback ►/▶▶ button until you hear a beep. The number of the message that is being played back appears on the display.

During the playback of the messages you have the following possibilities:


#### PAUSE:

Press the STOP □ button to interrupt the playback ( "PA" appears on the display). To continue, press and release the playback ►/▶▶ button within 30 seconds.


#### STOP:

To stop the playback, press and hold the STOP □ button until you hear a beep.



#### ERASING A MESSAGE:

When you press the erase button  during the playback of a message, this message is erased.

#### REPEATING A MESSAGE:

In order to repeat a message, press and release the rewind  button.

#### PREVIOUS MESSAGE:

To go back to a previous message, press and hold the rewind  button. As soon as you reach the desired message, release the rewind  button to listen to the message.

#### NEXT MESSAGE:

Press and release the fast forward ►/▶▶ button to listen to the following message.


#### PLAYBACK AT DOUBLE SPEED:

Press and hold the fast forward ►/▶▶ button during the playback of the messages until you hear a beep. The playback of the messages is now at double speed.

In order to obtain the playback at normal speed again, press and hold the fast forward ►/▶▶ button again until you hear a beep.

### 9.12. CALL SCREENING

When you are at home and the answering machine is activated, you can listen to the message of the caller (volume adjustable with volume control switch on the base station).


If you wish to speak to the caller personally, simply take over the call by pressing the line button  on the handset of the Mira 200. Now the answering machine automatically stops the recording of the message.

### 9.13. MEMORY FULL

When during the recording of messages only 15 seconds of recording time is left, the caller will hear a beep. This beep is also audible through the speaker of the base station.

As soon as the memory is full, the base station will emit a long continuous beep and will stop the recording. The caller will also hear this beep. New calls will not be answered anymore and the display of the base station will show "Fu" (full).

### 9.14. ERASING ALL MESSAGES

In order to erase all the recorded messages, press and hold simultaneously the rewind  button and the playback ►/▶▶ button until you hear a beep.

#### *Remark:*




All recorded messages remain saved unless they are erased explicitly. To avoid that no more messages can be stored when the memory is full, it is best that you erase the messages that you do not wish to listen to again. For the specific erasing of a message, see 9.11. Playback of the recorded messages (erasing message).

### 9.15. BACKUP BATTERY ALMOST EMPTY

The 9V backup battery avoids the memory from being erased in case of a power failure. The display of the base station shows "LO" when the battery is almost empty and the 9V battery has to be replaced. The battery compartment is situated on the bottom of the base station.

### 9.16. RESET (RELOADING THE STANDARD SETTINGS)

In order to reload the standard settings in the answering machine, proceed as follows: remove the adaptor plug from the backside of the base station.

Press simultaneously the rewind  button, the playback  button and the STOP  button and reconnect the plug while you keep the buttons pressed until "rr" appears on the display of the base station.

Now the standard setting are reloaded in your answering machine and all messages and outgoing messages are erased.

## 10. REMOTE CONTROL

You can operate your Mira 200 through the telephone line from another location. Be sure to use a telephone, set to tone dialling (DTMF).

If you often use the remote control function, it is best that you set your answering machine to 'toll saver' (see 9.5. Setting the number of rings).

Your call is then answered after 2 rings when new messages have been recorded. When no new messages have been recorded, a call will only be answered after 4 rings. You can then hang up after 3 rings so that you know for free that no new messages have been recorded.

In order to operate the Mira 200 through the telephone line, proceed as follows:

1. Dial the telephone number to which your answering machine is connected.

\* If you call the answering machine when it is set to An-mode, you will hear outgoing message 1. After the beep you can enter the 3 digit remote control code. If you call the answering machine when it is set to nA-mode, you will hear out-

going message 2, followed by 2 short beeps. Now you have 5 seconds to enter the first digit of your remote control code. If you wait longer then 5 seconds, the connection is broken automatically.

\* When the answering machine is turned off, the line is automatically answered after 15 rings and you will hear 2 short beeps. Now you have 5 seconds to enter the first digit of your remote control code. If you wait longer then 5 seconds, the connection is broken automatically.

2. According to the mode in which the answering machine is set, enter the 3 digit remote control code after the beep or after the 2 short beeps.

*Remark:*

It is very important that you wait after entering each digit until you hear a short confirmation beep. When the digits are entered too fast after each other, a part of the code is lost. When the 3 digits are correct, you will hear 2 short confirmation beeps. When you have entered a wrong code, after the last digit you will hear a long beep. Now enter the correct remote control code.

3. Press the corresponding numbers of the desired function:

11 : PLAYBACK OF THE NEW MESSAGES

12 : PLAYBACK OF ALL MESSAGES

During the playback of the messages, you have the following possibilities:

0: PAUSE

Press 0 to interrupt the playback and press 0 again to continue the playback (if you do not press 0 within 30 seconds in order to continue the playback, the playback stops).

3: ERASING A MESSAGE

Press 3 to erase the message that is being played.

4: PREVIOUS MESSAGE

Press 4 to go to the previous message.

5: REPEATING A MESSAGE

Press 5 to repeat a message.

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## Mira 200

### 6: NEXT MESSAGE

Press 6 to listen to the next message.

### 9: STOP

Press 9 to stop the playback.

### 17 : ERASING ALL THE MESSAGES

### 41 : PLAYBACK OF OGM 1 (An-MODE)

Press 9 to stop the playback.

### 42 : PLAYBACK OF OGM 2 (nA-MODE)

Press 9 to stop the playback.

### 71 : RECORDING OGM 1

Dial 71 to record OGM 1 (wait for the beep) and press 9 to stop the recording (after 25 seconds of recording you hear a long beep and the recording stops automatically).

### 72 : RECORDING OGM 2

Dial 72 to record OGM 2 (wait for the beep) and press 9 to stop the recording (after 25 seconds of recording you hear a long beep and the recording stops automatically).

### 73 : RECORDING A MEMO MESSAGE

Dial 73 to dictate a memo message (wait for the beep) and press 9 to stop the recording.

### 211 : SETTING THE ANSWERING MACHINE TO An-MODE

### 212 : SETTING THE ANSWERING MACHINE TO nA-MODE

### 210 : SWITCHING OFF THE ANSWERING MACHINE

### 8 : ROOM MONITORING

Press 8 to activate the room monitoring (on the display of the base station "--" appears). Press 9 to stop the room monitoring, or after 2 minutes the room monitoring stops automatically.

### 9 : STOP

**3**  
3: erasing the present message

**6**  
6: playback next message

**9**  
9: stop

**#**

**2**  
211: An-mode activated  
212: nA-mode activated  
210: answering machine turned off

**5**  
5: repeating the present message

**8**  
8: room monitoring (9=stop)

**0**  
0: pause (0 within 30 seconds to continue)

**1**  
11: playback new messages  
+3: [ ] ; +4: [ ] ; +5: hertalen;  
+6: [ ] ; +9: [ ] ; +0: pauze (\*)  
12: playback all messages  
+3: +4: +5: +6: +9: +0: (\*)  
17: erasing all messages

**4**  
4: playback previous message  
41: playback OGM 1 (9=stop)  
42: playback OGM 2 (9=stop)

**7**  
71: recording OGM 1 (9=stop)  
72: recording OGM 2(9=stop)  
73: recording memo (9=stop)

**[ ]**

\* only possible during the playback of the messages



*Remark:*

When you have dictated a message just before entering the remote control code, this message will not be saved. If you want to leave a message, press 73 (recording a memo message) during the remote control function and 9 to stop the recording.

During the remote control function "rE" (remote) appears on the display of the base station to inform the possible user of the Mira 200 that the remote control function is activated.

## 11. TROUBLESHOOTING

### THE TELEPHONE DOES NOT FUNCTION

Check the power supply of the adaptor.

Did you use the adaptor delivered with this telephone?

Has the telephone line been connected correctly?

Did you use the line cord delivered with this telephone?

Is the battery of the handset sufficiently charged?

Is the handset too far away from the base station?

### NO DIAL TONE

Has the telephone cord been connected correctly? If not, connect the Mira 200 with the line cord delivered with this telephone.

### OUTGOING CALLS ARE NOT POSSIBLE / WRONG DIALLING SYSTEM

Change the dialling system (pulse/tone dialling).

### BAD CONNECTION

The handset is too far away from the base station, move closer.

### YOU HEAR AN INTERMITTENT BEEP

during the conversation

You are too far away from the base station, if you do not move closer to the base station within 10 seconds, the line will be broken.

when you try to establish a communication and it is impossible to obtain the connection:

- in the beginning of a call: wait for the connection to be established.

- during a call: try again.

THE ANSWERING MACHINE DOES NOT RECORD ANY MESSAGES AND BREAKS THE CONNECTION AFTER THE OUTGOING MESSAGE

- Has the answering machine been set to nA-mode (answering without possibility to record)?

Set the answering machine to An-mode (answering with possibility to record).

- Does "Fu" appear on the display of the base station?

The memory is full, erase the memory.

THE ANSWERING MACHINE CANNOT BE ACTIVATED

Record OGM 1 and 2.

THE ANSWERING MACHINE BREAKS THE CONNECTION DURING THE RECORDING OF A MESSAGE

The maximum recording time is reached, prolong the recording time or do not set any time limit.

The memory is full, ("Fu" appears on the display), erase the memory.

### REMOTE CONTROL DOES NOT FUNCTION

Has the remote control code been entered with a telephone set to tone dialling (DTMF)?

Has the code been entered after the beep?

Did you wait for the confirmation beep after entering each digit?

Did you hear 2 short beeps after entering the complete code?

Did you enter the correct code?

## 12. EXPLANATION OF SYMBOLS THAT CAN APPEAR ON THE DISPLAY OF THE BASE STATION

- An = Answering with possibility to record (see 9.3.)  
 nA = Answering without possibility to record (see 9.3.)  
 oF = Answering machine is turned off (see 9.3.)  
 PA = Pause (see 9.11.2.)  
 Fu = Memory is full (see 9.13.)  
 Lo = Backup battery almost empty (see 9.15.)  
 rr = Reset (reloading the standard settings) (see 9.16.)  
 re = The answering machine is being operated from a distance (see 10.)  
 -- = Room monitoring (see 10.)

In Programming mode:

- r1, r2, r3, r4, r5, ts = Setting the number of rings (see 9.5.)  
 d0, d1, d2, d- = Recording time per message (see 9.6.)  
 Cd = Remote control code (see 9.7.)  
 48, 72 = Setting the speech quality (see 9.8.)

## 13. TECHNICAL SPECIFICATIONS

### TELEPHONE

|                         |  |
|-------------------------|--|
| Frequency:              | 900 MHz  |
| Power:                  | 10 mw  |
| Transmission range:     | inside buildings - max 60 m<br>outside - max 300 m                                 |
| Dialling system:        | Pulse/tone switch possible   |
| Memory:                 | 10 memory numbers (speedial numbers)   |
| Power supply:           | Base station: adaptor AC 9 V 700 mA<br>Handset: NiCd - rechargeable battery: 3,6 V |
| Battery operating time: | in standby +/- 30 hours<br>talk time +/- 5 hours                                   |
| Dimensions:             | Base station: +/- 165 x 170 x 50 mm<br>Handset: +/- 57 x 160 x 30 mm               |
| Weight:                 | Base station: +/- 350 g<br>Handset: +/- 200 g (incl. battery)                      |

## ANSWERING MACHINE

|  |   |
|--|---|
| Recording outgoing messages + messages : | full digital  |
| Recording capacity:                      | 14 minutes  |
| Outgoing message 1:                      | outgoing message for answering with possibility to record messages (max 25 sec.)    |
| Outgoing message 2:                      | outgoing message for answering without possibility to record messages (max 25 sec.) |
| Messages:                                | Recording time programmable 30 sec/1 min/2 min/ no limit                            |
| Number of rings:                         | 1, 2, 3, 4, 5 or toll saver programmable  |
| Remote control code :                    | 3 digits programmable   |
| Backup battery:                          | 9V  |

## 14. WARRANTY

The MIRA 200 has been manufactured and tested to offer you complete satisfaction.

TOPCOM secures this device against material and construction defects for a period of 12 months counting from the date the first user purchased it. The warranty is only valid if the warranty card has been filled in duely, dated and signed. The warranty card has to be sent back to TOPCOM within 10 days after the purchase date.

The warranty expires completely if people other than our technical personnel have repaired or modified the machine, or in case of improper maintenance.

The batteries and adaptor are not covered by the warranty.

If you find any defects during the warranty, please return the unit in its original packing, together with the warranty card and a photocopy of your purchase invoice, to the TOPCOM sales department.

Any transport costs will be debited to the purchaser.

**TOPCOM**<sup>®</sup>  
it's nice talking to you